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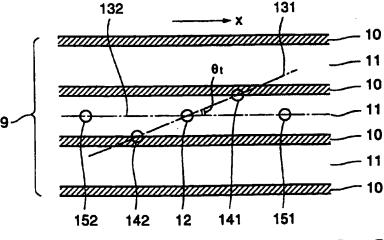
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(54) Optical information recording device and method

(57) A laser light beam generated from a light source is divided by a diffraction grating into a plurality of light beams, i.e., a single main beam (12) to be used for recording information and plural auxiliary beams (141, 142; 151, 152) distributed on two imaginary straight lines (131, 132) crossing each other. One of the straight lines extends parallel to tracks (11) of a recording medium (9). The resultant divided beams are converged to be irradiated onto a recording medium (9), and reflected components, from the recording medium (9), of the beams are received by corresponding light

receiving elements. Thus, the main and auxiliary beams (12, 141, 142) distributed on one (131) of the two imaginary straight lines (131, 132) are used to perform focusing and tracking. Further, one of the two auxiliary beams (151, 152) distributed on the other straight line (132) are used to determine whether a track (11) where information is to be recorded is a blank area or not, and the other of the auxiliary beams (151, 152) is used to verify whether the information has been recorded correctly.



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EUROPEAN SEARCH REPORT

Application Number EP 95 11 2806

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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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	* claims 1-3; figur The present search report has be Place of search BERLIN CATEGORY OF CITED DOCUME ticularly relevant if taken alone	* claims 1-3; figures 12,13 * The present search report has been drawn up for all claims Place of search Date of completies of the search BERLIN CATEGORY OF CITED DOCUMENTS It theory or prince ticularly relevant if taken alone ticularly relevant if combined with another tunent of the same category theological background theological background theological background theological background the same category A: member of the	* claims 1-3; figures 12,13 * The present search report has been drawn up for all claims Place of search BERLIN Date of completion of the search BERLIN 12 December 1996 Be CATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if tombined with another ament of the same category hanological background